



Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4609 (1980): Pencil-holding Device for Artificial Limbs
[MHD 10: Medical Laboratory Instruments]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



PROTECTED BY COPYRIGHT

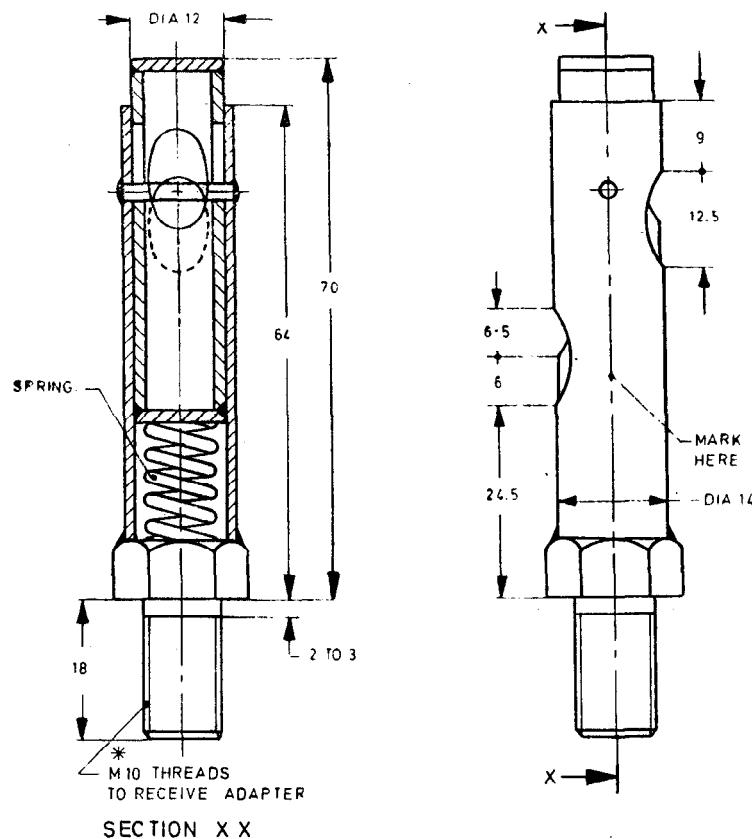


Indian Standard

SPECIFICATION FOR PENCIL-HOLDING DEVICE FOR ARTIFICIAL LIMBS

(First Revision)

- Scope** — Dimensional and other requirements of pencil-holding terminal device.
- Material** — The device shall be manufactured from steel tubes conforming to Designation CDS-C1 of IS : 2039-1964 'Specification for steel tubes for bicycle and allied purposes'. The spring shall be manufactured from spring steel wire conforming to Designation C70, Grade 3 of IS : 727-1964 'Specification for hard-drawn carbon steel wire for springs for general engineering purposes (revised)'. The stiffness of the spring shall be 18 N/cm approximately.
- Shape and Dimensions** — The general shape and dimensions of the pencil-holding device shall be as given in Fig. 1.



*See IS : 4534-1980 'Specification for adapter for terminal devices, for artificial limbs'.

All dimensions in millimetres.

FIG. 1 PENCIL-HOLDING DEVICE FOR ARTIFICIAL LIMBS

4. Manufacture, Workmanship and Finish

- The pencil-holding device shall be well-shaped and free from cracks, seams, burrs and other surface flaws. It shall be finished smooth all over. All sharp edges shall be removed. The movement of the inner sleeve relative to the outer sleeve shall be smooth, even and without any jerks. The device shall be plated chromium over nickel and the plating shall conform to service Grade 3 of IS : 1068-1968 'Specification for electroplated-coatings of nickel and chromium on iron and steel (first revision)'.



5. Marking — Shall be clearly and legibly marked with the manufacturer's name, initials or recognized trade-mark.

5.1 ISI Certification Marking — Details available with the Indian Standards Institution.

6. Packing — The device shall be packed in the manner as agreed to between the purchaser and the supplier.

EXPLANATORY NOTE

Terminal devices for artificial limbs are working accessories to be fitted into the dress or working arm of an amputee of the upper extremity. These devices aid the amputee to perform some of the normal functions of the hand. In this revision dimensional changes are incorporated at the suggestion of Artificial Limb Centre, Pune.